

# Notice of Allowability

Application No.

10/756,159

Examiner

Amelia Rutledge

Applicant(s)

BODIN ET AL.

Art Unit

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## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Appeal Brief, filed 01/26/07.
2. ☒ The allowed claim(s) is/are 1-9, 11-21, 23-33, 35-36.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



Doug Hutton  
Primary Examiner

Technology Center 2100

### DETAILED ACTION

1. Claims 1-9, 11-21, 23-33, 35-36 are allowed after examiner's amendment.
2. Authorization for this examiner's amendment was given in a telephone interview with applicants' representative Thomas Fortenberry on 05/10/2007.

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below.

The examiner's amendment incorporates the claim limitations of dependent claims 10, 22, and 34, respectively, into independent claims 1, 13, and 25.

Claims 10, 22, 34, 37, and 38 are canceled by this amendment.

The amendment further adds the following new limitation to the independent claims 1, 13, and 25: *filtering the presentation grammar to derive a session document for a presentation* (lines 11-12 of Claim 1). Support for this limitation may be found in applicant's Specification at p. 30, l. 26-p. 35, l. 18, especially p. 34, l. 2-6.

For independent claim 25, a new limitation has been added to lines 2-3 to overcome the rejections under 35 U.S.C. 101: ... *the computer program product tangibly embodied on a computer readable medium...*

The application will be amended as follows:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for differential dynamic content delivery, the method comprising:

creating, in dependence upon an original document, a structured document comprising one or more structural elements;

classifying a structural element of the structured document according to a presentation attribute; and

creating a presentation grammar for the structured document, wherein the presentation grammar for the structured document includes grammar elements each of which includes an identifier for at least one structural element of the structured document;

filtering the presentation grammar to derive providing a session document for a presentation, wherein the session document includes a session grammar and a session structured document;

selecting from the session structured document a classified structural element in dependence upon user classifications of a user participant in the presentation;

presenting the selected structural element to the user;

streaming speech to the user from one or more users participating in the presentation;

converting the speech to text;

detecting a total sound level for the user; and

determining whether to display the text in dependence upon the total sound level for the user.

2. The method of claim 1 wherein the total sound level for the user includes ambient noise and the method includes detecting an ambient noise level for the user.

3. The method of claim 2 wherein detecting an ambient noise level for the user further comprises temporarily interrupting the speech streaming to the user and measuring a sound level on the user's voice channel during the interruption and while the user is not speaking.

4. The method of claim 2 wherein determining whether to display the text in dependence upon the total sound level for the user further comprises determining to display the text to the user if the ambient noise level is above a predetermined threshold.

5. The method of claim 1 wherein:

the total sound level comprises the streaming speech plus ambient noise; and

determining whether to display the text further comprises determining whether to display the text in dependence upon a ratio of the total sound level to the ambient noise level.

6. The method of claim 5 further comprising displaying the text if the ratio of the total sound level to the ambient noise level is less than a predetermined minimum.

7. The method of claim 1 wherein selecting a classified structural element further comprises selecting a classified structural element having an associated classification identifier that corresponds to the user classification.

8. The method of claim 1 further comprising creating a session document from a presentation document, including:

identifying a presentation document for a presentation, the presentation document including a presentation grammar and a structured document having structural elements classified with classification identifiers;

identifying a user participant for the presentation, the user having a user profile comprising user classifications; and

filtering the structured document in dependence upon the user classifications and the classification identifiers.

9. The method of claim 8 further comprising filtering the presentation grammar, in dependence upon the extracted structural elements, into a session grammar in the session document.

10. (Canceled)

11. (Currently Amended) The method of claim 40 1 wherein classifying a structural element comprises:

identifying a presentation attribute for the structural element;

identifying a classification identifier in dependence upon the presentation attribute; and

inserting the classification identifier in association with the structural element in the structured document.

12. (Currently Amended) The method of claim ~~40~~ 1 wherein creating a presentation grammar for the structured document comprises:

identifying the content type of the original document;

selecting, in dependence upon the content type, a full presentation grammar from among a multiplicity of full presentation grammars; and

filtering the full presentation grammar into a presentation grammar for the structured document in dependence upon the structural elements of the structured document.

13. (Currently Amended) A system for differential dynamic content delivery, the system comprising a computer processor, a computer memory operatively coupled to the computer processor, the computer memory having disposed within it computer program instructions capable of:

creating, in dependence upon an original document, a structured document comprising one or more structural elements;

classifying a structural element of the structured document according to a presentation attribute; and

creating a presentation grammar for the structured document, wherein the presentation grammar for the structured document includes grammar elements each of which includes an identifier for at least one structural element of the structured document;

filtering the presentation grammar to derive providing a session document for a presentation, wherein the session document includes a session grammar and a session structured document;

selecting from the session structured document a classified structural element in dependence upon user classifications of a user participant in the presentation;

presenting the selected structural element to the user;



streaming speech to the user from one or more users participating in the presentation;

converting the speech to text;

detecting a total sound level for the user; and

determining whether to display the text in dependence upon the total sound level for the user.

14. The system of claim 13 wherein the total sound level for the user includes ambient noise and the system includes computer program instructions capable of detecting an ambient noise level for the user.

15. The system of claim 14 wherein detecting an ambient noise level for the user further comprises temporarily interrupting the speech streaming to the user and measuring a sound level on the user's voice channel during the interruption and while the user is not speaking.

16. The system of claim 14 wherein determining whether to display the text in dependence upon the total sound level for the user further comprises determining to

display the text to the user if the ambient noise level is above a predetermined threshold.

17. The system of claim 13 wherein:

the total sound level comprises the streaming speech plus ambient noise; and

determining whether to display the text further comprises determining whether to display the text in dependence upon a ratio of the total sound level to the ambient noise level.

18. The system of claim 17 further comprising computer program instructions capable of displaying the text if the ratio of the total sound level to the ambient noise level is less than a predetermined minimum.

19. The system of claim 13 wherein selecting a classified structural element further comprises selecting a classified structural element having an associated classification identifier that corresponds to the user classification.

20. The system of claim 13 further comprising computer program instructions capable of creating a session document from a presentation document, including:

identifying a presentation document for a presentation, the presentation document including a presentation grammar and a structured document having structural elements classified with classification identifiers;

identifying a user participant for the presentation, the user having a user profile comprising user classifications; and

filtering the structured document in dependence upon the user classifications and the classification identifiers.

21. The system of claim 20 further comprising computer program instructions capable of filtering the presentation grammar, in dependence upon the extracted structural elements, into a session grammar in the session document.

22. (Canceled)

23. (Currently Amended) The system of claim 22 13 wherein classifying a structural element comprises:

identifying a presentation attribute for the structural element;

identifying a classification identifier in dependence upon the presentation attribute; and

inserting the classification identifier in association with the structural element in the structured document.

24. (Currently Amended) The system of claim 22 13 wherein creating a presentation grammar for the structured document comprises:

identifying the content type of the original document;

selecting, in dependence upon the content type, a full presentation grammar from among a multiplicity of full presentation grammars; and

filtering the full presentation grammar into a presentation grammar for the structured document in dependence upon the structural elements of the structured document.

25. (Currently Amended) A computer program product for differential dynamic content delivery, the computer program product tangibly embodied on a computer readable medium ~~the computer program product disposed in a signal bearing medium,~~ the computer program product comprising computer program instructions capable of:

creating, in dependence upon an original document, a structured document comprising one or more structural elements;

classifying a structural element of the structured document according to a presentation attribute; and

creating a presentation grammar for the structured document, wherein the presentation grammar for the structured document includes grammar elements each of which includes an identifier for at least one structural element of the structured document;

filtering the presentation grammar to derive providing a session document for a presentation, wherein the session document includes a session grammar and a session structured document;

selecting from the session structured document a classified structural element in dependence upon user classifications of a user participant in the presentation;

presenting the selected structural element to the user;

streaming speech to the user from one or more users participating in the presentation;

converting the speech to text;

detecting a total sound level for the user; and

determining whether to display the text in dependence upon the total sound level for the user.

26. The computer program product of claim 25 wherein the total sound level for the user includes ambient noise and the computer program product includes computer program instructions capable of detecting an ambient noise level for the user.

27. The computer program product of claim 26 wherein detecting an ambient noise level for the user further comprises temporarily interrupting the speech streaming to the user and measuring a sound level on the user's voice channel during the interruption and while the user is not speaking.

28. The computer program product of claim 26 wherein determining whether to display the text in dependence upon the total sound level for the user further comprises

determining to display the text to the user if the ambient noise level is above a predetermined threshold.

29. The computer program product of claim 25 wherein:

the total sound level comprises the streaming speech plus ambient noise; and

determining whether to display the text further comprises determining whether to display the text in dependence upon a ratio of the total sound level to the ambient noise level.

30. The computer program product of claim 27 further comprising computer program instructions capable of displaying the text if the ratio of the total sound level to the ambient noise level is less than a predetermined minimum.

31. The computer program product of claim 25 wherein selecting a classified structural element further comprises selecting a classified structural element having an associated classification identifier that corresponds to the user classification.

32. The computer program product of claim 25 further comprising computer program instructions capable of creating a session document from a presentation document, including:

identifying a presentation document for a presentation, the presentation document including a presentation grammar and a structured document having structural elements classified with classification identifiers;

identifying a user participant for the presentation, the user having a user profile comprising user classifications; and

filtering the structured document in dependence upon the user classifications and the classification identifiers.

33. The computer program product of claim 32 further comprising computer program instructions capable of filtering the presentation grammar, in dependence upon the extracted structural elements, into a session grammar in the session document.

34. (Canceled)

35. (Currently Amended) The computer program product of claim 34 25 wherein classifying a structural element comprises:

identifying a presentation attribute for the structural element;



identifying a classification identifier in dependence upon the presentation attribute; and

inserting the classification identifier in association with the structural element in the structured document.

36. (Currently Amended) The computer program product of claim 34 25 wherein creating a presentation grammar for the structured document comprises:

identifying the content type of the original document

selecting, in dependence upon the content type, a full presentation grammar from among a multiplicity of full presentation grammars; and

filtering the full presentation grammar into a presentation grammar for the structured document in dependence upon the structural elements of the structured document.

37. (Canceled).

38. (Canceled).

### REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance:

4. The prior art, Freire et al., "WebViews: Accessing Personalized Web Content and Services", WWW10, May 2001, Hong Kong, ACM, p. 576-586, teaches a system that allows web users to create customized views of web sites that are formatted for different types of devices, including voice access devices (p. 576, Abstract, col. 2, par. 1-2).

U.S. Patent No. 6,725,199 B2 to Brittan et al. teaches a speech synthesis engine with multi-modal output, and voice and text conversion for different devices (col. 8, l. 66-col. 9, l. 27). Brittan teaches detection of background noise level and determining whether to display text format depending on noise level (col. 8, l. 34-col. 9, l. 38).

In reference to independent claim 1, the claimed features of: *creating a presentation grammar for the structured document, wherein the presentation grammar for the structured document includes grammar elements each of which includes an identifier for at least one structural element of the structured document;*

*filtering the presentation grammar to derive a session document for a presentation, wherein the session document includes a session grammar and a session structured document;*

*selecting from the session structured document a classified structural element in dependence upon user classifications of a user participant in the presentation;*

*presenting the selected structural element to the user;*

are not disclosed in the prior art of record.

Although Freire discloses a session grammar at p. 583, Fig. 6, Sect. 3.3; p. 584-585, Sect. 4.3, the features of the grammar disclosed by Freire are not programmatically equivalent to the grammar disclosed in applicants' Specification.

Specifically, applicants' Specification at p. 30, l. 26-p. 35, l. 18 discloses a presentation document targeted for the participants of a presentation, a presentation grammar, and a session grammar derived from the presentation grammar. Claim 1 recites creating a presentation grammar for a structured document, and filtering the presentation grammar to derive a session grammar and session document. Therefore claim 1 recites creating two grammars from a structured document.

Freire discloses a grammar derived from a web page for converting HTML page layout and navigation elements to VoiceXML at p. 583, Fig. 6, Sect. 3.3; p. 584-585, Sect. 4.3. Freire discloses deriving one grammar from a structured document (p. 583, Sect. 3.3, par. 2), rather than the two grammars, presentation document, and session document, as recited in independent claim 1.

Freire does not disclose selecting from the session document a classified structural element in dependence upon user classifications of a user participant in the presentation, because although Freire discloses methods for a user to access the internet using voice and/or text, Freire does not disclose a user participating in a presentation with other users.

Further, the claimed features of claim 1: *streaming speech to the user from one or more users participating in the presentation*; are not disclosed in the prior art of record. Both Freire and Brittan disclose methods for a user to access the internet using

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voice and/or text. However, neither Freire nor Brittan disclose streaming speech to a user from one or more other users participating in a presentation.

It would not have been obvious to one of ordinary skill in the art at the time of the invention to have combined the prior art of record to arrive at the claimed invention, since the above claimed features of the claimed invention are not disclosed in the prior art of record.

For similar reasons, the same features of independent claims 13, 25, and the dependent claims are not disclosed in the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amelia Rutledge whose telephone number is 571-272-7508. The examiner can normally be reached on Monday - Friday 9:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on 571-272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AR

A handwritten signature in black ink, appearing to read "D. Hutton", is positioned above the printed name.

**Doug Hutton**  
**Primary Examiner**  
**Technology Center 2100**